

**Application for Extension of Experimental License  
(Call Sign WL2XRE)**

Pursuant to Part 5 of the Commission's rules,<sup>1</sup> AST&Science LLC ("AST SpaceMobile") seeks to extend for a period of two (2) years its existing experimental authority granted under Call Sign WL2XRE (File Nos. 0208-EX-CM-2022) to perform testing from earth stations located in the United States with a non-geostationary orbit ("NGSO") satellite, the BlueWalker 3 ("BW3"), operating from Low-Earth Orbit ("LEO").

AST SpaceMobile is developing a space-based cellular broadband service and plans to offer wholesale services to mobile network operators ("MNOs") in the U.S., allowing them to provide uninterrupted broadband coverage to end users with commercially available mobile phones. Having recently launched its BW3 satellite and obtained Commission approval to add a testing site to its experimental license,<sup>2</sup> AST SpaceMobile is actively testing commercially available handsets in Hana, HI, Kapolei, HI, Midland, TX, and Pine Springs, TX, and Silver, TX.<sup>3</sup>

Pursuant to the experimental license, AST SpaceMobile plans to continue testing to further refine and manage transmissions to and from its constellation. AST SpaceMobile will test under the same conditions set forth in the existing grant.<sup>4</sup> There have been no changes to the instant operations since the Commission granted AST SpaceMobile's request to amend its experimental application to include an additional testing site. All other information set forth in exhibits filed in File Nos. 1059-EX-CN-2020, as last amended on September 1, 2021, and 0208-EX-CM-2022 remain accurate.<sup>5</sup>

Grant of this application will serve the public interest by allowing AST SpaceMobile to continue refining technology and features related to its planned SpaceMobile constellation, ensuring that mobile broadband service can be brought to Americans in underserved and unserved markets. Accordingly, AST SpaceMobile respectfully requests that the FCC extend the existing experimental license under Call Sign WL2XRE for two (2) additional years from the current expiration date of May 24, 2023. Questions should be directed to Timothy Bransford at [timothy.bransford@morganlewis.com](mailto:timothy.bransford@morganlewis.com) or 202.373.6140.

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<sup>1</sup> 47 C.F.R. Part 5.

<sup>2</sup> Experimental Radio Station Construction Permit and License, Call Sign WL2XRE, File No. 0208-EX-CM-2022 (Feb. 9, 2023).

<sup>3</sup> See *id.* at 1.

<sup>4</sup> *Id.* at 3–4.

<sup>5</sup> AST SpaceMobile tests occurring under Call Sign WL2XRE involve geographic cellular licenses held by technology partner AT&T Mobility Wireless Spectrum LLC's ("AT&T"). A letter from AT&T consenting to the instant tests for an additional two (2) calendar years has been filed concurrently with this narrative description.